

19990420.ba v02_n510.bam.990420 v02_n511.bam.990420 v02_n512.bam.990420

>From ???@??? Wed Apr 21 05:56:48 1999
Message-Id: <199904200637.BAA25010@sco.theporch.com>
Date: Tue, 20 Apr 1999 01:37:09 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2510

BOATANCHORS Digest 2510

Topics covered in this issue include:

- 1) WTB: Drake T4XB/R4B Original Manuals
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
- 2) Thordarson 6409 choke, need specs, homebrew power supply for SP200
by Richard Post <post@ouvaxa.cats.ohiou.edu>
- 3) Re: Coherer detectors
by Paul Nelson <drhydro@ames.net>
- 4) Re: BOATANCHORS digest 2507
by Paul Nelson <drhydro@ames.net>
- 5) TUNE UP BIG AMPS
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 6) Re: 312B-4 question
by k5jv@vonl.com (Lon W. Cottingham)
- 7) FS: Dyno PS / Books / Command Sets / Howard Rcvrs
by Charles Kadesch <chas@digizen.net>
- 8) Re: TUNE UP BIG AMPS
by David Newkirk <dpnewkirk@home.com>
- 9) Ranger Help w/18k resistor "change out"
by "ROBERT F. KEMP" <rkemp@mr.net>
- 10) RE:REGEN RCVR
by Maurice Weinschenker <morry@ix.netcom.com>
- 11) Re: tube mobile, NCX-3
by John M Iverson <jackiv@juno.com>
- 12) HP-14
by Dave Jordan <wa3gin@erols.com>
- 13) HELP! Giant Jack Bar Banana needed
by Joe Eide <jeide@execpc.com>
- 14) Fw: tube mobile, NCX-3
by "Spencer Petri" <wa5jci@flash.net>
- 15) Re: tube mobile, NCX-3
by "Robert Nickels" <ranickel@mwci.net>
- 16) NC-100???
- by Dennis Gehrke <dlg1@micron.net>
- 17) BA Misc FS
by don merz <71333.144@compuserve.com>
- 18) Re: Loktals

- by "Arden Allen" <gumbear@pacbell.net>
- 19) BOATANCHORS digest 2509
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 20) Re: REGEN RCVR
by john hurst <hurstjsj@gte.net>
- 21) Coherers
by "John Gibson" <gibsonj@mindspring.com>
- 22) Usual post-hamfest questions
by Bill Hawkins <bill@iaxs.net>
- 23) Re: Loktals & German equivs.
by "Steve" <scb@loki.internettport.net>

Message-ID: <21B46CBD022AD1118F0500805F15A06801106883@stpmsx05.stp.guidant.com>
From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTB: Drake T4XB/R4B Original Manuals
Date: Mon, 19 Apr 1999 14:50:20 -0500
MIME-Version: 1.0
Content-Type: text/plain

Want to buy original Drake T4XB and R4B manuals. I just acquired a pair.
Thanks,

73, Scott WA9WFA in Saint Paul Minn

Message-Id: <v03007806b3414d641d85@[132.235.46.183]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 19 Apr 1999 17:03:39 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Richard Post <post@ouvaxa.cats.ohiou.edu>
Subject: Thordarson 6409 choke, need specs, homebrew power supply for SP200

Anchorites,

Was met with a deafening silence on my request for the current requirements for the SP-200 power supply. Have been able to locate the specs on one of the supplies used by the Signal Corps for this radio indicating that I needed at least 50 ma at 380 volts, 100 ma at 250 volts, 5 ma at 100 volts, 10 ma at -50, and 7 amps or more at 6.3 VAC. Have used a parts Regatron to build a supply for the SP-200 variant (R-129/U). Also repaired the SP-200 over the weekend. The supply runs cool (except for the 5U4GB :-)

I used a Thordarson 6409 choke I had on hand. It seems to work well in the supply but I would like to know its specs.

73, Rich

The SP-200 in process can be seen at

<http://oak.cats.ohiou.edu/~postr/bapix/SP200var.htm>

The repainted panel (not shown) turned out great with the "white-out" in the engraved lettering.

Message-Id: <v04003a01b34157efa059@[206.26.104.89]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Mon, 19 Apr 1999 17:09:55 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: Paul Nelson <drhydro@ames.net>

Subject: Re: Coherer detectors

Cc: boatanchors@theporch.com

I remember a radio-controlled bus I had as a kid (Japanese, lots of tin)- it used a spark transmitter and a coherer detector on the bus- after it received a signal, the 'escapement' which turned the wheels R or L would 'smack' the coherer mount with a paddle and thus prepare it for the next signal. Had a range of about twenty or thirty feet, but the transmitter's signal could be heard down the block a good way....

that was about the time I was getting interested in hamstuff; my dad was an old-timer, 5CB.. which was how I knew about this technology. In retrospect, he did a good job of educating me- I actually don't remember NOT knowing how this bus worked, even though I was probably eight or ten at the time. Interesting.

> I just came across an article in a 1994 Wireless World mag on building
>your own coherer, but he tapped it with a pencil to reset it. However, also
>found a 1910 article in the same vein, he used an electric door bell with
>the gong removed to tap the glass tube containing filings. The door bell
>magnetics are very insensitive so he used a second sensitive relay in series
>with the coherer. The contacts of this relay operated the doorbell with
>the aid of a battery.

>

> John Gibson.

Paul Nelson W5GNF
Ames, Iowa

(DrHydro@ames.net)

Cessna 140 N77149

"When I go, I want to go quietly, in my
sleep, like my grandfather- not
screaming, like his passengers."

"More hay, Trigger?"

"No thanks, Roy, I'm stuffed."

Message-Id: <v04003a02b3415a773913@[206.26.104.89]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 19 Apr 1999 17:23:04 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Paul Nelson <drhydro@ames.net>
Subject: Re: BOATANCHORS digest 2507

I picked up a bit of a prize a coupla days ago- literally, a rescue from the dumpster. A friend was dumping a pickup load of stuff at the local solid waste disposal (we have, here in Ames, IA, a high-tech recovery plant which actually burns the refuse to create power for the city, a pioneering effort which has proven commercially viable!)

Anyway- Matt spies this *case* sitting off to the side- asks if he can investigate- is told yes- goes over and unearths a Hickok 539C tube tester. He appropriates it, pops it into his truck, and brings it ti my place-

it is in remarkable condition. inside, quite clean. case is a bit scuffed, but you would be too if you'd been ravaged by a solid waste disposal plant skid-steerer-loader. It works fine- has a rollchart that's up to 1970, and a manual and another specs book that has older and industrial stuff. The wiring inside is liberally sprinkled with ferrite beads, which tells me that it's fairly late. The thing has three separate meters- an AC line meter, a grid current meter, and the transconductance meter.

Q- what's it worth? How desirable? I wanna compensate Matt in a reasonable manner for his find, 'cause he's kept his eye out before for this kinda stuff....

What are your thoughts?

Paul Nelson W5GNF
Ames, Iowa

(DrHydro@ames.net)

Cessna 140 N77149

"When I go, I want to go quietly, in my sleep, like my grandfather- not screaming, like his passengers."

"More hay, Trigger?"

"No thanks, Roy, I'm stuffed."

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Mon, 19 Apr 1999 18:38:50 -0400 (EDT)
Subject: TUNE UP BIG AMPS
To: Old Tube Radios <boatanchors@theporch.com>

From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9904191838.aa02364@pcusa01.ecunet.org>

To: boatanchors@theporch.com

Speaking of Rich Measures, do you remember the grossly unfair pasting he took by the ARRL a few years back?

He had written extensively in QST on tracking down & eliminating parasitics in big tube RF amps. I'm not an EE but it made gppd sense to me. Fixes were cheap & easy.

His side of the controversy used to be on his web page (don't remember the URL). He sued ARRL & won. He wouldn't take money but forced ARRL to print some retractions in QST.

Bummer.

-John Sehring (Mon, Apr 19, 1999 Custer SD USA) UCC WB0EQ

Message-ID: <000501be8abd\$c411b760\$a20adfd0@kingwoodcable.com>
From: k5jv@von1.com (Lon W. Cottingham)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 312B-4 question
Date: Mon, 19 Apr 1999 18:38:43 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Larry and all,

Wow! After working on Collins gear for thirty years, I thought I was fairly familiar with the 312B4--Wrong!! I first thought that someone had been messing around with Larry's 312B-4 until I took a close look at two RE 312B4's in my collection. One has an aluminum trim ring. The other, and later of the two, has a plastic trim ring. Neither of these units has ever been tampered with. The earlier, metal trimmed unit has a backing material the same color as the front panel. The later, plastic trimmed unit does not have this backing. Just like Larry says, "you can look through the little round holes and see right back to the speaker".

I would think that this difference would show up in later manual revisions. I do not have time to look that up just now. If anyone does, please post what you find.

73 de Lon Cottingham, K5JV

Message-ID: <371BE48B.6D40@digizen.net>
Date: Mon, 19 Apr 1999 19:20:59 -0700
From: Charles Kadesch <chas@digizen.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: Dyno PS / Books / Command Sets / Howard Rcvrs
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Spring cleaning time:

- Dyno PS: Military DY-93A/G w/ husky Carter Dynamotor (In: 12V/16A
Out: 445VDC/270mA). Good power for going mobile with tube gear.
Nice condition. \$40.
- 1959 ARRL HB plus 6/65 73 mag (special Surplus issue) \$10 for pair.
- Drake 2-A and 2-B manuals. \$10 for pair.
- A few Command Set transmitters (40 and 80m) and some Howard
receivers. Still sorting these out. Pls email direct if seriously
interested.

Note: All plus shipping/postage from MD.

-73-
Charles W3KC
chas@digizen.net

Message-Id: <3.0.6.32.19990419211539.007d6e60@mail>
Date: Mon, 19 Apr 1999 21:15:39 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: David Newkirk <dpnewkirk@home.com>
Subject: Re: TUNE UP BIG AMPS
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 06:38 PM 4/19/99 -0400, JOHN SEHRING wrote:

>Speaking of Rich Measures, do you remember the grossly unfair pasting he
>took by the ARRL a few years back? He had written extensively in QST on
>tracking down & eliminating parastics
>in big tube RF amps.

Sure do. I was working at ARRL at the time, and had been the handling
editor for a number of Rich's amplifier-improvement articles. The Technical
Correspondence piece you refer to did not pass through me as part of its
peer review. (I can't recall exactly when it happened; I may have already
been concentrating mainly on ARRLWeb and related electronic publishing

projects at the time.) When I did read it, at a point at which its appearance in QST was already a fait accompli, it sickened me because its ugly tone made it read like an effort to drub Rich personally.

>His side of the controversy used to be on his web page (don't remember the >URL). He sued ARRL & won. He wouldn't take money but forced ARRL to print >some retractions in QST.

I have not heard that Rich sued, and believe you may be incorrect about that, as well as about QST printing retractions. (I'd like to be right about him not suing and wrong about QST not printing retractions, by the way :-D) Rich did advertise those fixes in QST for quite awhile, even, I think, through the time of that controversy.

But look, before Jack rightly pulls the plug on this thread: Such issues are now the least of ARRL officialdom's problems. For an eye-opening read that I believe conveys issues we haven't yet (and likely will not) see covered as directly in QST, I recommend reading the document at

<http://www.arrl.org/announce/reports-99/98afprt.html>

very carefully.

-- but only if you're interested in ham radio politics, which I am only because people I care about still work at ARRL HQ, and because I expect to collect an ARRL pension when I retire. Ham radio politics is, blessedly, not what this mailing list is about, and the ugly tone of the Technical Correspondence drubbing of Rich Measures was strictly the result of ham radio politics abetted by HQ staff impotence.

73,

Dave Newkirk, W9VES
dpnewkirk@home.com

Message-ID: <371BF6A8.229D@mr.net>
Date: Mon, 19 Apr 1999 20:38:16 -0700
From: "ROBERT F. KEMP" <rkemp@mr.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Ranger Help w/18k resistor "change out"
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What looks to be a daunting task of getting to that 18k resistor in the VFO....Can I get some comments and help on how to do that (the easy way or any-way) so I can correct that flaw prior to buttoning her up!

Thanks to all in advance.....

p.s. still on the look out for a Mosley CM-1 speaker.

Bob.

Message-ID: <371BE0AD.2C5F93E2@ix.netcom.com>
Date: Mon, 19 Apr 1999 22:04:29 -0400
From: Maurice Weinschenker <morry@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE:REGEN RCVR
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

HVE ALL THE PARTS NEEDED FER MY CIRCA 1932 REGEN 40 MTR RCVR BUT ONE.
THE ELUSIVE PART IS A CHOKE RATED 300-500 HENRY.

QUESTION: HOW DO I WIND THIS CHOKE OR CAN I SUB FER THIS?????????????
ANY HELP GREATLY APPRECIATED.
BEST 73 MORRY K3DPJ

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Date: Mon, 19 Apr 1999 15:57:14 -0500
Subject: Re: tube mobile, NCX-3
Message-ID: <19990419.210240.16478.1.jackiv@juno.com>
From: John M Iverson <jackiv@juno.com>

The hallicrafters mobile power supply will work also. nice package.
12-14 dc input. classic 6146 txcvr ps. has hv, lv, bias and relay
control of 12 input line.

Jack Iverson K0EWU jackiv@juno.com
ARRL, IEEE LM, RCA, AMI, ARCI, QCWA

On Mon, 19 Apr 1999 09:44:10 -0400 Al Parker <anchor@coastalnet.com>
writes:

>Hi Buzz,
> I'm surprized no one has answered with "war stories". Mine
>aren't really
>that, but some reminiscing/etc. I first mobiled at age 16, 1958, in
>the
>car my mother used to go to work. I got to use it. Had a 2-tube 10m
>AM
>xtal ctrl rig, don't remember the make, but an odd one. Used Gonset
>Super

>6 conv. to the car radio. Dynamotor for B+. It was small, but you
>sure
>could hear it when it ran. Probably ran the battery near dead a few
>times,
>as I'd go up on the local "mountain" at nite, turn off engine for
>quiet.
> My later mobiling was SS, TenTec, in a Chevette, then Pontiac
>diesel
>wagon. The diesel was great for mobiling, no ign. noise, + had 2
>batteries
>in parallel. No worry of running low. Used home-brew mounting,
>carpenter
>style.
> On the NCX-3, it'd be OK. A friend used one in the late
>'70's. He lived
>in a trailer, in a small valley surrounded by close hills, so it was
>his
>main source of QSO's. The National DC P.S. will probably be hard to
>find,
>but the Heath HP-13 can surely be used, and much more common. Run
>stout
>12v lines to it, use a breaker in the + line, at the battery. You
>also
>might find a Drake supply.
> Good luck, keep us posted with your progress.
>73,
>
>A1, W8UT
>New Bern, NC
>Boat Anchors appreciated here
>anchor@coastalnet.com
>
>

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or call Juno at (800) 654-JUNO [654-5866]

Message-ID: <371BE2F8.4C10CA42@erols.com>
Date: Mon, 19 Apr 1999 22:14:16 -0400
From: Dave Jordan <wa3gin@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: HP-14
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Folks,

I'm in search of the control cable pin-out/schematic for the Heath Kit DC power supply for the HA-14 Compact Kilowatt. If anyone has access to this information please email info directly to myself and W4RF@att.net.

Thanks Very Much In Advance,
dave

Date: Mon, 19 Apr 1999 21:17:06 -0500
From: Joe Eide <jeide@execpc.com>
Subject: HELP! Giant Jack Bar Banana needed
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <371BE3A2.22033E36@execpc.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Well maybe that is the wrong terminology. I need at least 1 but could use several of these banana plugs. This giant banana plug is 1 3/16" long and fits into a jack that is slightly smaller than 9/32" and slightly larger than 17/64". A 1/2" wrench fits the nut part of the banana body and a screw is used to mount the plug.

If any of this makes sense and you can help me with 1 or more of these plugs I would be very happy indeed!

73 .. Joe - KB9R

Message-ID: <001401be8ad3\$f079cfc0\$93271ed1@wa5jci>
From: "Spencer Petri" <wa5jci@flash.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Fw: tube mobile, NCX-3
Date: Mon, 19 Apr 1999 21:15:56 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings,

Linear Systems made a generic DC PS and there are still a lot of them around. Very well designed and seem to last forever.

es 73 de Pete WA5JCI

6 meter VUCC # 361

2 meter VUCC # 346

Message-ID: <012401be8ad7\$e94a1260\$ef2fcfd1@default>

From: "Robert Nickels" <ranickel@mwci.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: tube mobile, NCX-3

Date: Mon, 19 Apr 1999 21:40:59 -0500

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi HF mobileers!

>The hallicrafters mobile power supply will work also.

Jack's right - most of the mobile supplies were pretty much the same. Somewhere in the neighborhood of 300 volts for the Low B+, 600-800 for the finals, and a -100 or so of bias. Swan, Galaxy, Drake, National, even the mighty Collins were pretty much interchangeable.

Galaxy/WRL copied the Swan innovation of making the inverter portion separate from the rest of the supply and including a 110 VAC winding so the same P/S could be run from either 110VAC or 12 VDC without re-wiring. You just snapped-on the inverter for mobile, or plugged in the AC cord which used a 12 pin Cinch-Jones connector to jumper the right connections - pretty clever! The WRL unit was on sale just before I left for college in 1971 so I bought one and put my NCX-3 in the Valiant - Plymouth, not Johnson ;-)
before I hit the road.

It worked great with the Hustler mast and 20/40/75 meter resonators. I used a homebrewed hump-mount which the rig sat on that included provisions for SWR meter, logbook storage, etc. And it made a dandy beer-can holder when the rig was not installed! And yes, having a mobile HF rig was a great conversation piece on dates (but those sharp corners on the cabinet were a pain!)

Later a Swan 240 replaced the National as the fulltime mobile rig, after swapping a few wires in the trusty Galaxy P/S cable. Corners weren't as sharp, either...

73, Bob W9RAN

Message-ID: <371BEC43.C60E8B5D@micron.net>
Date: Mon, 19 Apr 1999 20:53:55 -0600
From: Dennis Gehrke <dlg1@micron.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: NC-100???
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have what I believe is a beautiful NC-100, but there are no markings on the radio to identify. It has a bright red and silver front and the horizontal sliding internal turret for band change. This radio is in almost perfect condition, and is very attractive to look at. Could anyone help me identify it and say what it might be worth. Any help would be greatly appreciated.

Dennis Gehrke
KC7VXD
DLG1@micron.net

Date: Mon, 19 Apr 1999 23:02:38 -0400
From: don merz <71333.144@compuserve.com>
Subject: BA Misc FS
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199904192306_MC2-728D-D9AA@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Boatanchor Miscellany For Sale

CONTACT: Don Merz, N3RHT, 47 Hazel Drive, Mt. Lebanon, PA 15228
71333.144@compuserve.com

German military WWII headphones. These are marked Dfh.a. 42 on the backs of the ear pieces. The ear pieces are bakelite with metal backs and rubber ear cushions. The set has a metal headband covered with deteriorating black leather. There is a cloth cord on the set and an unoriginal 1/4" phone plug. Nice condition in every respect. Usable exactly as-is. \$60

Hallicrafters 8R40 SWL receiver. 1950-1955-vintage RX covering 540kc-44mc in 4 bands. With bandspread and VF0. The slide-rule dial is similar to the one on the S-53 or S-38D in shape and

appearance. The dial is on the left with a built-in speaker on the right. All original and unmodified including knobs and paint. The paint has some scratches on the top and is worn off at the 2 top front corners. But this radio looks pretty good. The dial and chrome dial bezel are good. The Dachis book pictures this radio with knobs that have pointy metal inserts. But this one only has the inserts in 2 of the knobs. Both dial and bandspread strings are intact. This radio should clean up nicely. Untested and presumed not to work. \$55

Heathkit CB-1 lunchbox. This is the CB version of the Twoer. It has a 3/8" unoriginal hole in the front panel in the spot that is marked "UNIT". The volume control knob is missing. But if you gave this thing a bath and covered that hole with something you would have a pretty clean example of a pretty rare radio. The case has no unoriginal holes and the paint has a few dings but would clean up into very good condition easily. With original power cord. Untested. As-is. \$40

Heathkit lunchbox microphone. This is the correct plastic microphone to go with the heath Twoer, Sixer and CB-1 lunchboxes. Needs cleaned but it is in good shape including the cloth cord. \$12 PPD

Tektronix T-922 'scope parts unit. Someone has deliberately broken all the knobs off of this unit. Otherwise intact and in good cosmetic condition. This was a nice scope at one time. \$10

Tektronix 53/54K plug-in. I have no way to test this but it looks okay and is complete. \$10

Tek Manuals Wanted/Tek Manuals For Trade

I need the following original Tektronix operating manuals:

- 366 'scope
- DM-43 multimeter
- 585A 'scope
- 82 plug-in
- C-19 Camera
- 81 plug-in adapter
- A plug-in
- CA plug-in
- 181 Time-mark generator
- 132 plug-in unit power supply

I have the following original Tek manuals to trade:

- 375 service
- DM 44 service
- K plug-in operating

CONTACT: Don Merz, N3RHT, 47 Hazel Drive, Mt. Lebanon, PA 15228
71333.144@compuserve.com

Message-Id: <199904200314.UAA13013@mail-gw.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Loktals
Date: Mon, 19 Apr 1999 20:14:09 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> The problem I've had with Loktal tubes is pin alignment. I've broken
> the glass to metal seals on more than a few when trying to test them
> on my TV-7/U tube tester. (Click, phhtt.) Is this a normal problem,
> or am I suffering from the excessively heavy-duty sockets on the
> TV-7/U?

Keep them tube tester sockets LUBRICATED. Old, lightly corroded tube
socket contacts and tube pins can have a hell of a lot of friction,
especially in a good tight socket. Use your favorite brew or use Archie
Bunker's WD-40.....if his neighbor George gave it back.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Tue, 20 Apr 1999 00:11:10 -0400
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: BOATANCHORS digest 2509
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199904200011_MC2-729C-4DBA@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Message text written by Hue Miller
>--wasn't the RTA-1B earlier than this?
and in fact, a civilian airlines rig, probably seen very rarely
in any military usage? as for competitor to ARC-2, the airlines
<

Hue and Group,

What you say is correct. However, both of the radios and all of the
manuals that I have are on Navy contracts. The military nomenclature for=

the RTA-1B was AN/ARC-9. Also, the RTA-1B was far from the only
multi-channel military set with fixed tuned channels. One could cite ATA=

,

ATB, ATC, ATD, and all of the VHF aircraft sets, not to mention SCR-506, SCR-508, SCR-509, SCR-510, SCR-608, SCR-609, SCR-610, SCR-694 (crystal mode), SCR-808, TCS (crystal mode), etc. You could include the SCR-177, SCR-183, SCR-191, SCR-245 and SCR-283 (BC-191 or BC-375) if you assume that channelization could be accomplished by changing pre-tuned plug-in tuning units.

73,
Robert Downs
WA5CAB
Houston

Message-ID: <371C028C.3DE35146@gte.net>
Date: Mon, 19 Apr 1999 21:29:00 -0700
From: john hurst <hurstjsj@gte.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: REGEN RCVR
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Maurice, the old BC-221C and D type frequency meters have a choke that is rated at 450H. The BC221Q has a 300H choke. I'd assume that the LM models have a similar choke. These frequently show up at ham swaps and in many cases cannot be given away (and end up in the dumpster).

73, John, KU6X

Maurice Weinschenker wrote:

> HVE ALL THE PARTS NEEDED FER MY CIRCA 1932 REGEN 40 MTR RCVR BUT ONE.
> THE ELUSIVE PART IS A CHOKE RATED 300-500 HENRY.
> QUESTION: HOW DO I WIND THIS CHOKE OR CAN I SUB FER THIS?????????????
> ANY HELP GREATLY APPRECIATED.
> BEST 73 MORRY K3DPJ

Message-Id: <199904200430.AAA04429@smtp5.mindspring.com>
Date: Mon, 19 Apr 1999 21:31:45 +0100
Subject: Coherers
From: "John Gibson" <gibsonj@mindspring.com>
To: Old Tube Radios <boatanchors@theporch.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Got to wondering how anyone in their right mind would think of using a tube of metal filings as a radio detector. Looked up a little history and it seems that the coherer was developed from the Varley telegraph line lightning protector which was a tube of copper filings connected from the telegraph line to ground. Someone made the connection that a flash of lightning is only a spark gap discharge so why not use the Varley protector to detect a spark coil discharge.

John Gibson.

Date: Tue, 20 Apr 1999 00:57:28 -0500 (CDT)
From: Bill Hawkins <bill@iaxs.net>
Message-Id: <199904200557.AAA17132@citrus.iaxs.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Usual post-hamfest questions

Looking for the metal shell Amphenol connectors, possibly for mikes, in two and three pin styles (one each). This is not the Cannon 3 pin plug but has a ring that screws onto the jack. The body of the 2 pin plug fits a 1/2 inch ID jack, and the three pin plug fits an 11/16 hole. The rings are bigger, of course.

Looking for two Daka-Ware fluted, skirted knobs where the skirt is held on the knob by three screws. Skirt is 2 1/16 dia, knob is 1 5/8 wide over the widest part of the 8 flutes. (that is what you call the scalloped depressions in the diameter of the knob, isn't it?) The knob is about 3/4 high without the skirt. Black. Skirt is numbered 0-10 in 11 equal spaces (for a resistance decade).

Anybody know what the voltage rating of a Shallcross Akraohm Type BX190-E 1 megohm resistor might be? The idea of a wirewound 1 meg resistor boggles the mind, but they did it in 4 sections total about 1 inch long and 1/2 inch diameter, and rated it at 0.1% tolerance. Wonder if it's good for a kilovolt?

Thanks for any help,
Bill Hawkins

Message-Id: <199904200649.BAA24689@loki.internettport.net>
From: "Steve" <scb@loki.internettport.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 20 Apr 1999 01:34:28 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT
Subject: Re: Loktals & German equivs.
CC: "Old Tube Radios" <boatanchors@theporch.com>

'>I note that Germany had a tubesimilar to loktal altho i don't think the pin size is quite the same."

Greetings;
(Standard disclaimer: "If memory serves---")

The "70" series(I.E.; EM71) was same as American Loktal standard. The "20" series resembled the Loktal but was it's own unique standard, The "30" series(EL-34) is American octal standard, The "40" series resembles the 9 pin miniature but is it's own standard and not compatible, the "80" (EL-84)series is 9 pin miniature, the "90"(EC-91) series is 7 pin miniature.

First letter is for heater/filament voltage, except "P" & "U" which are current rated for a series string tubeset.

Second letter is type. "A"&"B" signal diode, "C" triode, "F"&"H" Sig pentode, "K" pentagrid, "L" power pentode, "M"eye indicator,"Z"power rectifier diode, Ect.

First number is base standard. Second number identifies specific version in series.

A multipurpose tube will be self evident. EABC-80, ECH-81, ECL-82, ECC-83, ect.

Hope this helps. Corrections cheerfully accepted.

Regards; Steve

End of BOATANCHORS Digest 2510

>From ???@??? Wed Apr 21 05:57:44 1999
Message-Id: <199904201719.MAA28782@sco.theporch.com>
Date: Tue, 20 Apr 1999 12:19:15 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2511

BOATANCHORS Digest 2511

Topics covered in this issue include:

- 1) Whatta Toob!
by "Steve" <scb@loki.internettport.net>
- 2) RE:REGEN RCVR - Choke Needed
by "Barry L. Ornitz" <ornitz@tricon.net>
- 3) KW202 & KW2000E
by Engbert.Oord@jet.uk (Engbert Oord)
- 4) Re: "giant" banana plugs
by Ray Mote <rmote@rain.org>
- 5) Old tubes/valves
by "Ragnar Otterstad" <otterstad@inet.uni2.dk>
- 6) Re: NC-100???
- by Niel Wiegand <nielw@ix.netcom.com>
- 7) Wire Recorder Question
by David Stinson <arc5@ix.netcom.com>
- 8) Re: Wire Recorder Question
by "Paul Bernhard Sr." <w2tu@email.msn.com>
- 9) Re: NCX-3 instead of HW-101?
by "Mike Warren" <w5maz@earthlink.net>
- 10) The Eico 7...53
by mnhopkins@juno.com
- 11) Re: Wire Recorder Question
by Henry van Cleef <vancleef@netcom.com>
- 12) FS: Globe (WRL) Meteor SB-175
by mnhopkins@juno.com
- 13) re; vintage mobile (was ncx-3 vs..)
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 14) looking for hints, SX117
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 15) Re: Usual post-hamfest questions
by "Arden Allen" <gumbear@pacbell.net>
- 16) Tube Swap
by "Jay H. Miller" <jmiller@teleteam.net>
- 17) Re: The Eico 7...53
by "Arden Allen" <gumbear@pacbell.net>
- 18) Re: The Eico 7...53
by Richard Post <post@ouvaxa.cats.ohiou.edu>
- 19) Re: re; vintage mobile (was ncx-3 vs..)
by Richard Loken <richardlo@devax.admin.athabascau.ca>
- 20) Re: The Eico 7...53
by Richard Loken <richardlo@devax.admin.athabascau.ca>
- 21) Re: Loktals
by "Steve" <scb@loki.internettport.net>
- 22) Re: re; vintage mobile (was ncx-3 vs..)
by jmccarty@lucent.com (John J McCarty)

Message-Id: <199904200655.BAA24741@loki.internettport.net>
From: "Steve" <scb@loki.internettport.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 20 Apr 1999 01:40:08 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Whatta Toob!

Greetings;

FWIW;
<<http://www.netcomuk.co.uk/~ww1/loewe.html>>
Enjoy!
Regards; Steve

Message-Id: <199904200712.DAA10935@flash.naxs.net>
From: "Barry L. Ornitz" <ornitz@tricon.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE:REGEN RCVR - Choke Needed
Date: Tue, 20 Apr 1999 03:14:23 -0400

Rather than cannibalize old BC-221 and LM frequency meters, find a high impedance output transformer and wire its secondary in series aiding. Try to find a transformer who's primary is rated for at least a 10K load.

My LM frequency meter had this choke scavenged by someone building his own seismometer. They seem to be popular for this application.

73, Barry L. Ornitz WA4VZQ ornitz@tricon.net

From: Engbert.Oord@jet.uk (Engbert Oord)
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 20 Apr 1999 08:15:38 +0100
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: KW202 & KW2000E
Message-ID: <19990420072218.AAA16424@jetnet-mail.jet.uk>

Goodday

I have in my possession a KW202 Ham receiver, complete with a manual, but it lacks a proper circuit diagram and component list.

Yesterday I obtained a rather tired KW2000E Ham transceiver. One of it's former owners had removed all tubes ! except for the 2 finals which are encased in a metal cage. What I need to bring this back to life is a copy of the manual and the circuit diagram. Unfortunately the PSU is missing as well.

Any help appreciated.

Engbert Oord - M0BRY

Tel : +44 (0)1235 464996

Fax : +44 (0)1235 464410

Email : eo@jet.uk

BoatAnchors : a back breaking affliction.

BoatAnchors are a serious affliction with a detrimental effect on living space.

Date: Tue, 20 Apr 1999 00:28:01 -0700 (PDT)

From: Ray Mote <rmote@rain.org>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: "giant" banana plugs

Message-ID: <Pine.SUN.4.05.9904200023040.20004-1000000@coyote.rain.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm probably misreading/misconstruing what was wanted (happens frequently here), but larger "banana" plugs & jacks are commonly available, particularly at welding supply shops. Most I've seen are H.H. Smith manufacture. Only problem is that they're nickel-plated (probably steel?) instead of silver-plated brass like the old WW2 stuff. They come in various sizes, and not all welding shops (or radio parts houses) carry all sizes, so look around. Banana plugs/jacks in appropriate sizes sure make a nifty way to both mount and connect a small box to a larger one (as in different heads for various pieces of test gear, plug-in coil/cap units, etc.). :-)

73....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

Message-ID: <013601be8b0a\$e2f69fe0\$1f00a8c0@cyber>

From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Old tubes/valves

Date: Tue, 20 Apr 1999 10:48:51 +0200

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have many German WW2 (Nazi era) tubes and need to reduce my inventory.

Anybody out there interested ?

73 Rag OZ8R0

Rag Otterstad OZ8R0 Copenhagen suburb: Birkerod
Also JW5HE LA5HE. Previously held : G5BHQ HB9XCG

Collector of W.W.2 German military radio sets, clandestine sets all periods,
cipher equipment.

Adress: Hosterkobvej 10. DK 3460 Birkerod, Denmark

Tel : ++45-4281 5205 evenings. ++45-4497 3366 daytime.

I work for MEC A/S, manufacturer of high quality and good looking pushbutton
switches.

If you are designing electronics equipment and have an interest in switches
please check the homepage at :

[HTTP://WWW.MEC.DK](http://WWW.MEC.DK)

To know more about my ham radio background try my personal homepage :

[HTTP://WWW.WEBSPAWNER.COM/USERS/OZ8R0/](http://WWW.WEBSPAWNER.COM/USERS/OZ8R0/)

Message-ID: <371C6AC0.47D074CE@ix.netcom.com>
Date: Tue, 20 Apr 1999 06:53:36 -0500
From: Niel Wiegand <nielw@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: NC-100???
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dennis,

National did not put model numbers on their receivers until the late
30s, around the time James Millen left. I've a picture of a NC-100 on my
National Radio Company web page at:

http://www.io.com/~nielw/nat_list/nc100.htm

Pictured is the NC-100. The NC-100X had the pilot light mounted to the left of the tuning dial and phasing and selectivity controls to the right of the dial.

There is an on-line "prices seen" listing at:

<http://www.mnsinc.com/bry/ham/boneyard.htm>

73, Niel

Dennis Gehrke wrote:

>

> I have what I believe is a beautiful NC-100, but there are no markings
> on the radio to identify. Could
> anyone help me identify it and say what it might be worth.
> Dennis Gehrke

Message-ID: <371C6DE2.10E155EC@ix.netcom.com>
Date: Tue, 20 Apr 1999 07:06:59 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Wire Recorder Question
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone know if you can splice wire from a wire recorder?
I have a reel I'd like to play but it's broken in the middle.
Will it damage the head if I try patching it together?

Thanks,
Dave AB5S

Message-ID: <000501be8b28\$3059d960\$c35b2299@default>
From: "Paul Bernhard Sr." <w2tu@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <boatanchors@theporch.com>
Subject: Re: Wire Recorder Question
Date: Tue, 20 Apr 1999 08:20:31 -0400

Hi Dave;

Had a wire recorder for years (Webcor) and spliced the wire many times.
Just a knot works fine and although you obviously hear a clitch it isn't

very bad. I was a pro musician and have many recordings from my jobs back then. I even have a recording of my high school band. (I graduated in 1948!) I had the wires but no player for years and at a hamfest found the webcor drive (no electronics) and just ran the head into a pre-amp and it worked fine. Copied many on cassette for old times sake. I found that I have my music career on 78 transcriptions, wire recordings, reel to reel (mono and stereo), LP, 8 track and finally CD. I had to have my LP transcribed to CD so my grandkids could here Gramp play. Have fun!

Paul Bernhard Sr. W2TU/NNN0GNB

w2tu@email.msn.com

<http://www.geocities.com/~dd537>

Message-ID: <002401be8b2b\$1cdaaba0\$9ec61b26@mikewarr>
From: "Mike Warren" <w5maz@earthlink.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: NCX-3 instead of HW-101?
Date: Tue, 20 Apr 1999 07:41:27 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Buzz,

I had a NCX-3 mobile in 1964 in a Ford Falcon Sprint Convertible with red interior - looked and worked great!.

I traded a Heathkit DX-100 and National NC-183D for the NCX-3 with AC and DC power supplies and a set of Hustler mobile antennas for 80/40/20. I mounted it under the dash on the National mobile bracket. The P/S was mounted in the engine compartment. I bought it from Henry Radio in LA and they installed it.

Drove up the Pacific Coast Highway (1 or 101?) to San Francisco and then to Vallejo. Used it for 4 months while attending a Navy Crypto school. On the weekends, I'd drive up to the top on Mt. Tamalpais (sp?) across the Golden Gate bridge to keep a sked with my dad bad in Albuquerque.

After completing school, I was transferred to the Philippines so

left the NCX-3 with my dad and he wound up buying the NCL-2000 linear to go with it.

The only "negatives" about the NCX-3 was the lack of RIT (easily added) and no coverage on 15/10 meters.

Enjoy,

Mike, W5MAZ (in MN)

-----Original Message-----

From: Wayne & Deb Harrah <harrah@ia.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Sunday, April 18, 1999 4:28 PM
Subject: NCX-3 instead of HW-101?

>All,

>

>I have a LOCAL close-friend who is willing to sell me a VERY NICE (and)

>working NCX-3 "for a song" (pretty literally), and all I got to do is come

>up with an NCXD 12V power supply for IT. He already has the correct mobile

>mount, screws and everything. (He bought the rig, including speaker and

>115V p.s. just to get the speaker housing to go with his HRO-500. So, he

>keeps the speaker, I get the rest for almost nothing, really.

>

>Can anybody help me out in finding a 12V p.s. for this rig? As his rig

>already is set to go otherwise (looks beautiful to boot) this route might be

>cheaper than setting up the HW-101. (I'm not a carpenter by trade at all.)

>The silver/chromed finish looks nicer in my truck's RED interior, too. I

>think that is the direction I am gonna go.

>

>No "war stories" received yet on TUBE-TYPE HF mobile experiences (any

>variation of brands is ok), so I assume everyone has been in church and then

>picnicing with the family, AS THEY SHOULD BE... :) Therefore, I can be

>patient (and hopeful) in waiting for any advice anyone has....

>
>Best regards,
>
>
>Buzz (Wayne) Harrah, ke0ms
><http://www.ia.net/~harrah>
><mailto:harrah@ia.net> (home)
><mailto:Wayne.Harrah@mci.com> (work)
>
>

To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 20 Apr 1999 07:43:51 -0500
Subject: The Eico 7...53
Message-ID: <19990420.074359.-351905.3.MNHopkins@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: mnhopkins@juno.com

After you off load the 6M AM Transceivers from your Dayton offerings to make room, you naturally turn to the v. tube SSB transceivers. They don't bring much but derision and you start with the 3-banders. Here find the Eico 753.

Back from Belton this year is a stack of electronics hobbyist books from the mid '60s. They have the usual one and two tube TXs but, prophetically, two reviews of the '753. Other such rigs are deserving of superlative. I have not heard one with a better sounding receiver than a Swan 240, for instance, but even in a flock of Swans an Eico 7533 is remarkable for drift.

"After a 15 minute warmup the EICO 753's stability was well within the specified 400 cycles -- in fact we were able to work relatively long contacts with but one or two tuning corrections..." said Radio-TV Experimenter, Feb.-Mar. 1966.

Over at Electronics Illustrated, : "Frequency stability was excellent (for the price): less than 400 cps after a 10-minute warmup and 100 cps after a 30 minute warmup." (Nov. 1966). Note that neither review specifies the period for the "normal" drift. It is also not clear if they were piloting the v. tube VFO versions or the later SS sliders, but the second review did note the diode in the VFO generated wide band noise.

Was the Eico 753 really that bad? Worse. A Swan 250 would beat it

and the Swan operated over four times higher in frequency than the 80, 40 and 20M Eico. Moreover, no one has ever reported, in the rich literature of Eico fixes, that the factory jobs were better than the kits.

So if you are driving in from the south, as you cross the Ohio at Cincinnati, resist the temptation to pollute -- leave the Eico in one of the large metal storage bins behind most fast food outlets. It's cousins will find it there and they can all howl at the moon together.

de ab5L, Michael Hopkins, Box 226841, Dallas, TX 75222,
MNHopkins@JUNO.com
Student of Tecraft, ICM, and Six Meters' golden age, 1956-58.

From: Henry van Cleef <vancleef@netcom.com>
Message-Id: <199904201312.GAA13316@netcom6.netcom.com>
Subject: Re: Wire Recorder Question
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 20 Apr 1999 07:12:09 -0600 (MDT)
Cc: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

As David Stinson discourses

>
> Does anyone know if you can splice wire from a wire recorder?
> I have a reel I'd like to play but it's broken in the middle.
> Will it damage the head if I try patching it together?

>
No sweat. Tie the ends in a square knot, then trim off the loose ends from the knot with scissors, leaving enough that the knot doesn't unravel. It's a very standard repair.

--

=====
Hank van Cleef
=====

To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 20 Apr 1999 08:14:16 -0500
Subject: FS: Globe (WRL) Meteor SB-175
Message-ID: <19990420.081429.-351905.5.MNHopkins@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: mnhopkins@juno.com

It is smaller than I expected it to be, but then this 1962 transmitter says "SB-175 and not "SSB." It is a DSB affair with a pair of 6BQ6s that switch to parallel for AM/CW when not sending double sideband.

It needs a crystal or outboard VFO plus a p/s that did not accompany it and the SK hid the manual, too. It seems it may have been used as a driver for VHF transverters. It shows 80, 40, 20, 10 and 15M.

I told the family's agent I thought \$200 was about right given that it is at least an 8 overall with no mods save a pair of RS lifetime sweep tubes. There is a superficial scratch on the front lower right but no sign of mobile use on its gold and black case. The knobs are original but need cleanup and the meter reads a clear "Meteor SB-175" while the serial number is 3210B470. The back plate ay be a repaint, or just an early WRL patch since it matches.

Anyway, it is rare enough to deserve an initial offering on BA where the real experts are. It can post from the address below or go to Dayton.

de ab5L, Michael Hopkins, Box 226841, Dallas, TX 75222,
MNHopkins@JUNO.com
Student of Tecraft, ICM, and Six Meters' golden age, 1956-58.

From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: re; vintage mobile (was ncx-3 vs..)
Date: Tue, 20 Apr 1999 07:39:23 -0700
Message-ID: <000501be8b3b\$954968a0\$0100000a@accurate-main>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Interesting thread! I wonder if anyone has posted any pix, somewhere on the web, of a vintage mobile rig mounted in a restored similar era vehicle? Just for fun.

On the Galaxy Mobile Power Supply, I have one of these but was not aware it was designed for AC and DC operation? Does the original poster have the Jones connector wiring for AC operation?

This baby squeals like a pig when operating, and don't try to use it on field day without a constant re-charge source, your battery is good for about ten minutes to half of an

hour (running a Galaxy transceiver) :-).

I like the idea of running an old sweep tube type rig in the mobile for it provides a fairly hefty output in comparison to most mobile rigs of this day. I wonder though if anyone has experienced problems with the vehicle's computer under these high RF field conditions?

Roger KD6CC
Roger A. McCarty ARS KD6CC So. Calif.
<http://www.qsl.net/kd6cc>
<http://www.qsl.net/kr6lp>
Qrp-L #1555 KR6LP #1

From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: looking for hints, SX117
Date: Tue, 20 Apr 1999 07:53:57 -0700
Message-ID: <000601be8b3d\$9e59be20\$0100000a@accurate-main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone have experience troubleshooting this rig? The problem this unit has is two fold. 1) low sensitivity. Normal troubleshooting procedures here but I mention it in the event someone sees a relation to item #2) A hum when the BFO is on.

The Hum sounds very much like AC ripple emanating from the power supply, but the supply is straight lined as can be. I know, I have checked it at least 20 times :-). I can clearly see the ripple on the plate of the first audio Amplifier 6GW8. It completely disappears when the BFO is off. I can barely see it on the plate of the 6BE6 Product detector.

I have yet to find the source. Also, the ripple is more of a phase modulation than an amplitude modulation. All voltages check as normal on both stages. Swapping tubes has no effect. My next step is to start substituting the frequency determining capacitors in the BFO stage, but I thought I'd ask first to see if someone else has experienced this problem.

Any thoughts?

Thanks

Roger KD6CC

Roger A. McCarty ARS KD6CC So. Calif.
<http://www.qsl.net/kd6cc>
<http://www.qsl.net/kr6lp>
Qrp-L #1555 KR6LP #1

Message-Id: <199904201455.HAA21250@mail-gw.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Usual post-hamfest questions
Date: Tue, 20 Apr 1999 07:58:14 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> Anybody know what the voltage rating of a Shallcross Akraohm Type BX190-E
> 1 megohm resistor might be? The idea of a wirewound 1 meg resistor
boggles
> the mind, but they did it in 4 sections total about 1 inch long and 1/2
> inch diameter, and rated it at 0.1% tolerance. Wonder if it's good for a
> kilovolt?

Doubtful. I don't think it was designed for high voltage operation. 1000
volts on a 1 meg resistor produces 1 watt dissipation. Just a
guess.....probably a bit too much for a high accuracy instrumentation
resistor even though it is as big as it is. I couldn't flush anything
about Shallcross out of the net. I wonder if they still exist.....

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <103130300b3424a5cd3b1@[199.34.24.7]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Tue, 20 Apr 1999 10:16:18 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "Jay H. Miller" <jmiller@teleteam.net>
Subject: Tube Swap

I have 15 NIB 6CL6 (JAN) that I will swap for 5 12AX7 in same condition.

Any takers? Pleeeeeze!

***** ##### *****

Jay H. Miller, KK5IM Dallas, Texas

The Pocket Guide to Collins Amateur Radio Equipment

Coming this Summer: A Pictorial History of Collins Amateur Radios

ARRL * AMI#846 * DXCC

E-Mail: jmiller@teleteam.net Home Page: <http://www.teleteam.com/~jmiller/>

***** Proud to be 100% Macintosh since 1984! *****

Message-Id: <199904201516.IAA01250@mail-gw.pacbell.net>

From: "Arden Allen" <gumbear@pacbell.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: The Eico 7...53

Date: Tue, 20 Apr 1999 08:19:05 -0700

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

> -- leave the Eico in one of
> the large metal storage bins behind most fast food outlets. It's cousins
> will find it there and they can all howl at the moon together.

My, my, such derision. Makes me want to buy one. I'll check behind the
local 7-11 tonight (full moon or not).

My first attempt at "real radio" was a Heathkit AR-3. No selectivity, no
sensitivity, lousy BFO, drifted forever, images everywhere, hum, backlash,
sensitive to vibration.....and more. Taught me what I needed to know
about radio, I'll never regret having that radio. LONG LIVE THE CHEAP
STUFF!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <v03007800b3425f396c26@[132.235.46.183]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Tue, 20 Apr 1999 12:41:10 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: Richard Post <post@ouvaxa.cats.ohiou.edu>

Subject: Re: The Eico 7...53

>> -- leave the Eico in one of
>> the large metal storage bins behind most fast food outlets. It's cousins
>> will find it there and they can all howl at the moon together.

>

>

>My first attempt at "real radio" was a Heathkit AR-3. No selectivity, no
>sensitivity, lousy BFO, drifted forever, images everywhere, hum, backlash,
>sensitive to vibration.....and more. Taught me what I needed to know
>about radio, I'll never regret having that radio. LONG LIVE THE CHEAP
>STUFF!

Arden,

Just put the AR-3 out therewith the Eico. Terrible set. (I can use the spare parts :-)

Will never forget my parents' reaction the first time it picked up Radio Nederland in their native language. They did not expect their kid with the weird interest in electronics to be able to build and complete it. Glad they didn't tell me while I was building it. I learned a lot from that AR-3 manual on how it works.

Check out the one-owner AR-3 at
<http://oak.cats.ohiou.edu/~postr/bapix/AR3.htm>

73, Rich

Date: Tue, 20 Apr 1999 10:44:52 -0600 (MDT)
From: Richard Loken <richardlo@devax.admin.athabascau.ca>
Subject: Re: re; vintage mobile (was ncx-3 vs..)
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id:
<Pine.PMDF.3.95.990420103740.541065859A-1000000@devax.admin.athabascau.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

On Tue, 20 Apr 1999, Roger A. McCarty wrote:

> Interesting thread! I wonder if anyone has posted any pix,
> somewhere on the web, of a vintage mobile rig mounted in a
> restored similar era vehicle? Just for fun.

My favourite ham radio advert is for the Collins KWM2 with a 57 Chevy parked beside something ten years newer and the new owner moving his KWM2 from the Chevy to his new chariot. Have to go home and hunt that ad up.

> I like the idea of running an old sweep tube type rig in the
> mobile for it provides a fairly hefty output in comparison
> to most mobile rigs of this day. I wonder though if anyone

> has experienced problems with the vehicle's computer under
> these high RF field conditions?

I must wax sarcastic here! There is little danger of hurting the computer because there is no place to put such a rig in any car with a computer. Oh... Except on a sheet of plywood with shock cords on the passenger seat which is usually right above the FI computer.... Uh gee....

I ran a GE Progress Line in 1977 Mercury Marquis sedan, there was no room for it in my 82 Volvo station wagon so I had a solid state Pye 2M FM radio. My 98 Volvo station wagon has even less room and I never turn on the 2M rig anymore so there is no ham gear in the car at all.

My wife won't let me buy a Suburban.

Richard Loken VE6BSV, Systems Programmer - VMS
Athabasca University
Athabasca, Alberta Canada
** richardlo@admin.athabascau.ca **

Date: Tue, 20 Apr 1999 10:53:24 -0600 (MDT)
From: Richard Loken <richardlo@devax.admin.athabascau.ca>
Subject: Re: The Eico 7...53
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id:
<Pine.PMDF.3.95.990420104716.541065859B-1000000@devax.admin.athabascau.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

On Tue, 20 Apr 1999, Richard Post wrote:

> >> -- leave the Eico in one of
> >> the large metal storage bins behind most fast food outlets. It's cousins

> >My first attempt at "real radio" was a Heathkit AR-3. No selectivity, no
> >sensitivity, lousy BFO, drifted forever, images everywhere, hum, backlash,
> >sensitive to vibration.....and more. Taught me what I needed to know
> >about radio, I'll never regret having that radio. LONG LIVE THE CHEAP
> >STUFF!

> Will never forget my parents' reaction the first time it picked up Radio
> Nederland in their native language. They did not expect their kid with the
> weird interest in electronics to be able to build and complete it. Glad
> they didn't tell me while I was building it. I learned a lot from that
> AR-3 manual on how it works.

I built a Heath GR64 when I was 15. No selectivity, no sensitivity, lousy BFO, drifted forever, images everywhere, hum, backlash, sensitive to vibration.....and more. I had a lot of fun with that radio and 30 years later I was given a GR54 which sold for twice the price and you know? It was worse! I can tolerate all the above out of a 4 tube \$60.00 radio but I found that those features in a 9 tube \$125.00 made me real grumpy.

A first radio is like a first love or a first car or...

Richard Loken VE6BSV, Systems Programmer - VMS
Athabasca University
Athabasca, Alberta Canada
** richardlo@admin.athabascau.ca **

Message-Id: <199904201708.MAA05730@loki.internettport.net>
From: "Steve" <scb@loki.internettport.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 20 Apr 1999 11:52:34 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: Loktals
CC: "Old Tube Radios" <boatanchors@theporch.com>

>"The problem I've had with Loktal tubes is pin alignment. I've broken the glass to metal seals on more than a few when trying to test them on my TV-7/U tube tester. (Click, phhtt.) Is this a normal problem,---?"

Greetings;

Yup, 'fraid it is. The thickness & stiffness of the pins was literally the "Achilles heel" of these otherwise rugged tubes, having a tendency to crack or break out the glass when stressed, bent or straightened. Storing them loose will aggravate this & reduce junk box "yield" of serviceable Loktals. Always check for straight pins or stress fracturing around pins when inspecting and use extreme care if pin straightening is needed. Obviously, buying used tubes with bent pins is risky. Lightly lubing pins before testing as Arden recommends is good practice. Good luck!

Regards; Steve

From: jmccarty@lucent.com (John J Mccarty)
Date: Tue, 20 Apr 1999 12:18:57 -0500
Message-Id: <199904201718.MAA09020@nwsqpb.ih.lucent.com>
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: re; vintage mobile (was ncx-3 vs..)
Content-Type: text

>I must wax sarcastic here! There is little danger of hurting the computer
>because there is no place to put such a rig in any car with a computer. Oh...
>Except on a sheet of plywood with shock cords on the passenger seat which is
>usually right above the FI computer.... Uh gee...

With the help of the fine folks on this list I've been running
a Heath HW12 for almost 2 years in my 1990 Ford Ranger (the
Ranger has two 'puters, one for the engine, one for the brakes)
with out any problems to the electrical system. Fitting the
Heath mobile power supply under the hood, now that was a
problem. Wish there was more general rag chewing on 75 ssb.
My friends who run 50 watts on two meters have had electrical
system troubles like faster blinking turn signals and unlocking
of cruise control during transmit.

The HW12 "fits" under the dash of the Ranger. I put a piece of
ply wood with a 2x4 attached on its side to make a tilt mount
that sits on the xmission hump. Used a double hinge to fix the top
of the HW12 to the bottom of the dash.

73

John McCarty
n9hrt
jmccarty@lucent.com

End of BOATANCHORS Digest 2511

>From ???@??? Wed Apr 21 05:58:40 1999
Message-Id: <199904210421.XAA09094@sco.theporch.com>
Date: Tue, 20 Apr 1999 23:20:45 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2512

BOATANCHORS Digest 2512

Topics covered in this issue include:

- 1) Re: re; vintage mobile (was ncx-3 vs..) by ke8rn@juno.com
- 2) Re: re; vintage mobile (was ncx-3 vs..) by ke8rn@juno.com
- 3) Re: re; vintage mobile by Nick England <nick@cs.unc.edu>
- 4) Wanted: Micamold XTR-1 Transmitter by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
- 5) scans of vintage Collins ads by David Ross <ross@hypertools.com>
- 6) Re: scans of vintage Collins ads by Richard Loken <richardlo@devax.admin.athabascau.ca>
- 7) Re: The Eico 7...53 by Steve Berg <z931086@corn.cso.niu.edu>
- 8) VT-62 (801A) FT/sale by gcr2@po.CWRU.Edu (George C. Rybicki)
- 9) More Dyna-Monster Questions by jmccarty@lucent.com (John J Mccarty)
- 10) RE: The Eico 7...53 - the keyer... by "Pete Ferrand" <pete@vermontel.net>
- 11) 73 Magazines (10/60 - 11/97) For Sale by "Schroeder, Russell G" <Russell.Schroeder@usa.xerox.com>
- 12) For Trade: Collins KWM-2 access's by David Stinson <arc5@ix.netcom.com>
- 13) Re: Wire Recorder Question by John Kolb <jlkolb@cts.com>
- 14) Re: Usual post-hamfest questions by John Kolb <jlkolb@cts.com>
- 15) Loctals and wire recorders by "Herbert M. Rosenthal" <herbrose@lobo.net>
- 16) Re: vintage mobile by "Carl Yaffey" <cyaffey@columbus.rr.com>
- 17) Re: Loctals and wire recorders by gwoods@albany.net (Gary Woods)
- 18) National Power Tubes by Don <nichf@roanoke.infi.net>
- 19) RE: The Eico 7...53 - the keyer... by Al Parker <anchor@coastalnet.com>
- 20) vintage mobile by jim lockwood <jmlckwd@mindspring.com>
- 21) WTB SB-10 by "James D. Mayfield" <kb9bnr@revealed.net>
- 22) Re: re; vintage mobile (was ncx-3 vs..)

by "Robert Nickels" <ranickel@mwci.net>
23) Vintage Mobile
by W0E0M@aol.com
24) SB-35?
by "Robert Nickels" <ranickel@mwci.net>
25) Re: The Eico 7...53
by "Arden Allen" <gumbear@pacbell.net>

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Date: Tue, 20 Apr 1999 13:21:30 -0400
Subject: Re: re; vintage mobile (was ncx-3 vs..)
Message-ID: <19990420.132718.3278.1.KE8RN@juno.com>
From: ke8rn@juno.com

On Tue, 20 Apr 1999 07:39:23 -0700 "Roger A. McCarty"
<rmccarty@earthlink.net> writes:

>On the Galaxy Mobile Power Supply, I have one of these but
>was not aware it was designed for AC and DC operation? Does
>the original poster have the Jones connector wiring for AC
>operation?
>

I'm not the original poster, but I can assure you that the G-35-DC does NOT work on 120 VAC. I'm not aware of any Galaxy DC power supply that also was used on AC like the Swan was. I sold many of these in my youth, working part time at the local ham radio store. 73.

George KE8RN

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or call Juno at (800) 654-JUNO [654-5866]

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com, wa8mlv@juno.com, doowop6@juno.com
Date: Tue, 20 Apr 1999 13:26:43 -0400
Subject: Re: re; vintage mobile (was ncx-3 vs..)
Message-ID: <19990420.132718.3278.2.KE8RN@juno.com>
From: ke8rn@juno.com

On Tue, 20 Apr 1999 10:44:52 -0600 (MDT) Richard Loken

<richardlo@devax.admin.athabasca.ca> writes:
>On Tue, 20 Apr 1999, Roger A. McCarty wrote:
>
>> Interesting thread! I wonder if anyone has posted any pix,
>> somewhere on the web, of a vintage mobile rig mounted in a
>> restored similar era vehicle? Just for fun.
>
>My favourite ham radio advert is for the Collins KWM2 with a 57 Chevy
>parked
>beside something ten years newer and the new owner moving his KWM2
>from the
>Chevy to his new chariot. Have to go home and hunt that ad up.
>

The "new" car was an Oldsmobile Toronado, 1966 or 1967. I remember this ad well. It said, "Trading time; but not for KWM-2." Still have mine, and the 1965 Cadillac to go with it.

George KE8RN

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or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 20 Apr 1999 13:51:03 -0400 (EDT)
From: Nick England <nick@cs.unc.edu>
Message-Id: <199904201751.NAA24298@altair.cs.unc.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: re; vintage mobile

I saw my favorite mobile set-up in 1963 or so. Well, it really wasn't exactly mobile. A fellow came to Field Day with the passenger seat in his Corvair turned around 180 degrees. Across the back was a shelf with 75A4 and 32V-3 and an "operating desk" with a bug. Had a tri-bander on a short mast that was attached to the rear bumper. All this from dim memory of an awe-struck teenager, of course - but I wish I had a photo!

73 & Have Fun,
Nick England KD4CPL nick@cs.unc.edu Univ. Of North Carolina
<http://www.cs.unc.edu/~nick/hobbies.html> Chapel Hill NC

Message-ID: <21B46CBD022AD1118F0500805F15A06801106889@stpmsx05.stp.guidant.com>

From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Wanted: Micamold XTR-1 Transmitter
Date: Tue, 20 Apr 1999 12:56:11 -0500
MIME-Version: 1.0
Content-Type: text/plain

Want to buy a Micamold XTR-1 transmitter. Its a low power three tube
20/40/80 meter cw transmitter from the 50's. Any condition. Thanks,

Scott WA9WFA in Saint Paul Minn

Message-Id: <3.0.6.32.19990420110237.007af330@mail.willapabay.org>
Date: Tue, 20 Apr 1999 11:02:37 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: David Ross <ross@hypertools.com>
Subject: scans of vintage Collins ads
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

BAfolks -

At 01:26 PM 04/20/99 -0400, ke8rn@juno.com wrote:

...
>>> Interesting thread! I wonder if anyone has posted any pix,
>>> somewhere on the web, of a vintage mobile rig mounted in a
>>> restored similar era vehicle?
...
>>My favourite ham radio advert is for the Collins KWM2 with a 57 Chevy parked
>>beside something ten years newer and the new owner moving his KWM2 from the
>>Chevy to his new chariot. Have to go home and hunt that ad up.

That ad, along with many other Collins ads in QST, can be seen on
WA3KEY's website. Check it out at:
<http://www.wa3key.com/qst/qst6805.jpg>

The photo shows a fellow moving his KWM-2 from the old '55 or '56 Chev to
the new ~68 Toronado, and is from the May 1968 QST. WA3KEY's index of QST
ad scans is at:
<http://www.wa3key.com/crads.html>

73
Dave Ross N7EPI ross@hypertools.com

Date: Tue, 20 Apr 1999 12:21:31 -0600 (MDT)
From: Richard Loken <richardlo@devax.admin.athabascau.ca>
Subject: Re: scans of vintage Collins ads
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id:
<Pine.PMDF.3.95.990420122016.541065859B-100000@devax.admin.athabascau.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

On Tue, 20 Apr 1999, David Ross wrote:

> The photo shows a fellow moving his KWM-2 from the old '55 or '56 Chev to
> the new ~68 Toronado, and is from the May 1968 QST. WA3KEY's index of QST
> ad scans is at:
> <http://www.wa3key.com/crads.html>

I looked. Its a 56 Chevrolet, the three: 55,56,57 all had differant and
unique tail lights.

Richard Loken VE6BSV, Systems Programmer - VMS
Athabasca University
Athabasca, Alberta Canada
** richardlo@admin.athabascau.ca **

Message-ID: <371CCC1F.E315C455@corn.cso.niu.edu>
Date: Tue, 20 Apr 1999 13:49:03 -0500
From: Steve Berg <z931086@corn.cso.niu.edu>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: The Eico 7...53
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My first short wave receiver was a Heath GR-91 kit. I finally got it to
work, with a lot of assistance from a tv-repair shop. It never really
did work very well, and nostalgia has never overcome my unfond memories
so I have not looked for one since. I noted after some experience that
the only BA Heath receiver that ever worked well for me was the HR-20
mobile unit. The Sixer and Twoer were tolerable for the price, and had
really good transmitters to balance out the receivers. My command set
easily outperformed the GR-91 on 40 meters, and that is what got me
started in ham radio.

Steve WA9JML

Message-Id: <199904201945.PAA24209@piglet.INS.CWRU.Edu>
Date: Tue, 20 Apr 1999 15:45:14 -0400 (EDT)
From: gcr2@po.CWRU.Edu (George C. Rybicki)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: VT-62 (801A) FT/sale

I used JAN VT 62 aka 801A chcks good (u=1700) on a tv-10. Trade for a 8116 or maybe several 8233's or ... or whatever. 73 George

From: jmccarty@lucent.com (John J McCarty)
Date: Tue, 20 Apr 1999 15:52:48 -0500
Message-Id: <199904202052.PAA13443@nwsgpb.ih.lucent.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: More Dyna-Monster Questions
Content-Type: text

Group;

I'm cleaning + lub'ing a couple for dynamotors. But the end bells are held on by fastners with out slots. These two 'motors (D-10A and DY-8/ARC-5) have bolts whose heads look like there filed with some metal. The DY-8 has the A.R.C. "logo" on the heads. Do I "melt" the metal, like solder, or how do I get these off.

Tnx + 73

John McCarty
n9hrt
jmccarty@lucent.com

P.S. Is there somewhere on the web where I can find the schematics for Type 12 gear??

Message-Id: <199904202133.RAA04786@raptor.vermontel.net>
From: "Pete Ferrand" <pete@vermontel.net>

To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: The Eico 7...53 - the keyer...
Date: Tue, 20 Apr 1999 17:37:12 -0400

I just glommed onto one of these things - the Eico 717
keyer, which matches the 753.

This one draws 200 watts of AC, haven't checked it out
further but wonder if anyone has or would like to copy for
me a schematic or perhaps the whole manual for usual costs?
If a bother, I can get it through the usual sources I
suppose.

Now, this is a good looking keyer and my recollection is
that it's a lot better than the radio. What I don't remember
is what's special about it. I vaguely recall there's some
unique and positive thing this keyer does (more positive
than take up more space than just about any other of its
era) and wonder if anyone remembers that better than I.

Thanks
-Pete
WB2QLL
Plainfield, NH

Content-return: allowed
Date: Tue, 20 Apr 1999 15:02:40 -0700
From: "Schroeder, Russell G" <Russell.Schroeder@usa.xerox.com>
Subject: 73 Magazines (10/60 - 11/97) For Sale
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Schroeder, Russell G" <Russell.Schroeder@usa.xerox.com>
Message-id:
 <9F978D0493DBD1119C2D00805FC7361501852DEE@usa0207ms1.eng.mc.xerox.com>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"

Hollowstaters,

I have a duplicate set of 73 Magazines from 10/60 (first issue) until 11/97
for sale. 1960-61 and 62 are in red 73 binders, the others are bundled in
years. All issues are in very good condition. Two issues are missing, Jan
1996 and October 1996 (still looking for them). Asking \$350 + shipping.
Willing to arrange exchange within 200 miles of Rochester, NY or hold for
the Rochester, NY, hamfest, June 4,5 & 6. Will ship via TBD if needed. Will
be posting to rec.radio.swap in several days if no interest by the group.

73 Russ W2DYY

Russell.Schroeder@usa.xerox.com

Message-ID: <371D0264.640E4A9D@ix.netcom.com>
Date: Tue, 20 Apr 1999 17:40:36 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: For Trade: Collins KWM-2 access's
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Trade:

351D-2 mobile mount and the DC mobile power supply for the KWM-2.
These need cleaning and the cable on the DC supply
needs to have four wires resoldered, but they look
to be in good shape and complete as far as I can tell.
I haven't tested the DC supply because I don't want to
take the time to recap it, but it looks OK with no
burn smells or anything amiss.

I'm interested in trading for items for my military collection.
I collect the "ARC-5" command sets, pre-WW-II military
aircraft items and WW-II era ground portable items.
No interest in post-1950s military items.

On the "ARC-5" type units-

I have every "common" command set many times over and
would only be interesting in the "uncommon" units,
such as those factory built for 12 VDC, for unusual
freq. ranges like above 9 MC or transmitters for below
2 MC, non-English markings, or any unmodified unit that is marked
both US ARMY SIGNAL CORPS *and* AIRCRAFT RADIO CORP
on the same plate. I would also be interested in multiples
of control boxes, shock mounts, racks, connectors, etc.

I am willing to talk about other trades.

Kind Regards,
David Stinson AB5S
arc5@ix.netcom.com

Date: Tue, 20 Apr 1999 16:34:09 -0700 (PDT)
From: John Kolb <jlkolb@cts.com>

To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Wire Recorder Question
Message-ID: <Pine.SCO.4.05.9904201631000.9563-100000@sd.cts.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 20 Apr 1999, David Stinson wrote:

> Does anyone know if you can splice wire from a wire recorder?
> I have a reel I'd like to play but it's broken in the middle.
> Will it damage the head if I try patching it together?

Back when I was in Junior High School, we used to repair breaks by tying a knot in the wire, but don't guarantee the manufacturer would have approved :)

Speaking of knots, once received a wound toroid coil where apparently the spool ended and the new spool was joined by knotting the wire - didn't conduct, or course.

John KK6IL

Date: Tue, 20 Apr 1999 16:40:51 -0700 (PDT)
From: John Kolb <jlkolb@cts.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Usual post-hamfest questions
Message-ID: <Pine.SCO.4.05.9904201637450.9563-100000@sd.cts.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 20 Apr 1999, Arden Allen wrote:

> > Anybody know what the voltage rating of a Shallcross Akraohm Type BX190-E
> > 1 megohm resistor might be? The idea of a wirewound 1 meg resistor
> boggles
> > the mind, but they did it in 4 sections total about 1 inch long and 1/2
> > inch diameter, and rated it at 0.1% tolerance. Wonder if it's good for a
> > kilovolt?
>
> Doubtful. I don't think it was designed for high voltage operation. 1000
> volts on a 1 meg resistor produces 1 watt dissipation. Just a

Back when we made precision DC Voltmeters at Wavetek, we had a 10 Mohm voltage divider on the input for the 120V and 1.2 kV ranges. For this, we placed three 3.3 Mohm 0.01 % wirewound resistors in series, to

get 9.9 Mohms - That spread out both the voltage and the power.

John KK6IL

Message-ID: <371D1F19.7F9B@lobo.net>
Date: Tue, 20 Apr 1999 17:43:17 -0700
From: "Herbert M. Rosenthal" <herbrose@lobo.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Loctals and wire recorders
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just catching up with my reading, and FWIW:

1. LOCTALS. Loctals are easily removed (and inserted) if they are GENTLY rocked in a back and forth motion in the direction of the key between pins 1 and 8. The key position is noted with a small bump on the vertical part of the socket; this allow you to reach into a car radio and FEEL the bump, while upside down under the dashboard of a car. I spent my childhood in the '40s doing this for my Elmer, Jake Rubenstein, 2NCK, at United Radio Service, in Syracuse. Moving the tube SLIGHTLY in the direction of the bump unlatches the socket lock wire that retains the tube in its socket, then a swift movement in the opposite direction, and the tube is loose in your hand. I never had to oil one!

2. WIRE RECORDERS. About the same time, 1947-50, I worked at WAER, the Syracuse University FM station... one of the first educational stations: a donated GE exciter that generated the FM with a Phasotron (?sp); 2 1/2 w from an 829B, I believe, with a 4 bay cloverleaf antenna for an ERP of 10 w. I mention this because the procedure on the broken wire recorder wire was to tie a square knot in the wire, clip the ends close, and fuse it by holding it momentarily in the hot end of a cigarette; a slight pulling motion on the two ends of the wire caused it to form a neat weld (?) and this splice lasted forever. Cigarettes and matches were kept in the recorders!

Any phasotron experts out there? I believe it had a coil of wire around the tube, and the audio modulation caused a magnetic variance of the electron stream, and thus FM.

Best,
Herb Rosenthal W5AN
herbrose@lobo.net

Message-ID: <001d01be8b8b\$4cad66a0\$692c5f18@columbus.rr.com>

From: "Carl Yaffey" <cyaffey@columbus.rr.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: vintage mobile
Date: Tue, 20 Apr 1999 20:10:01 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I might as well chime in with my recollection:
I was attending the Virginia Phone Net picnic sometime around 1956.
A Plymouth coupe pulled up with a very large metal box on top, out of which
was sticking a very long whip.
The driver stepped partially out with his mike in one hand and a pencil in
the other. He keyed the mike, pointed the pencil toward the whip and drew an
arc about 12" long! It turns out he had a homebrew kilowatt 75M rig in
there. He later opened the trunk to show us the bank of batteries and
dynamotors that ran the beast. Pretty impressive!!

Carl Yaffey; cyaffey@columbus.rr.com, 614 268 6353, Columbus OH, K8NU
(ex-W4EZB)
Yaffey Software Development, Inc., Banjo player for the One Riot One Ranger
band.

 /~~_____o_
 |/###||=====|/***|
 __//

From: gwoods@albany.net (Gary Woods)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Loctals and wire recorders
Date: Wed, 21 Apr 1999 00:56:50 GMT
Message-ID: <37431f78.443739964@mail.albany.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On Tue, 20 Apr 1999 17:43:17 -0700, you wrote:

>Any phaosotron experts out there? I believe it had a coil of wire around
>the tube, and the audio modulation caused a magnetic variance of the
>electron stream, and thus FM.

Dunno about expert, but I first met one of these weird ducks at WRPI in
Troy, NY (College station that figured large in my abridged academic
career), and later at WGFM, owned by GE in Schenectady.

Sounds like the same exciter, with a couple more stages made a KW out, and

a bigger one out, I think, 2.5KW.

The phasotrom produced a disk-shaped electron beam between beam-forming electrodes that was then modulated by 3-phase carrier RF, producing a rotating beam with carrier-freq ripples in it. The audio was applied to a coil around the outside of the tube, which tilted the disk, phase-modulating the RF component that reached the anode (s?). Only a small phase shift could be produced, so the signal started on a low frequency (217.807KC) and was multiplied up. A lot. An interesting side effect of this is that the critter was slightly microphonic, and a small transistor radio hung alongside the exciter panel during pre-school-year tests was clearly audible in receivers. Hypothetically speaking. Died a well-deserved death when stereo came along, because it hadn't a prayer of cleanly modulating all those sidebands, subcarriers, and magical stuff. We did give people a cheap thrill by mixing a little 19KC from an audio generator: "Hey; you guys running stereo?" <chortle>

Makes a neat display device.

Message-ID: <371D2B23.E65F6DD4@roanoke.infi.net>

Date: Tue, 20 Apr 1999 21:34:27 -0400

From: Don <nichf@roanoke.infi.net>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

Subject: National Power Tubes

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I recently picked up a couple of National power tubes #NL-174. They NOS to me, but I really can't tell. Still in original boxes with original packing. What are these used for? Any idea of the value of these tubes?

Any help appreciated.

Don

Message-Id: <3.0.5.32.19990421012611.008149c0@mail1.coastalnet.com>

Date: Wed, 21 Apr 1999 01:26:11 -0400

To: Old Tube Radios <boatanchors@theporch.com>

From: Al Parker <anchor@coastalnet.com>

Subject: RE: The Eico 7...53 - the keyer...

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

> - the Eico 717>keyer, which matches the 753.

>This one draws 200 watts of AC,

Wow, a 200w keyer, what a monster.

Seeing this thread reminded me - I got an Eico 720 + modulator from my bro-in-law last Summer. A mini-monster pair. Since the 730's so widely thought of (I said widely, not well), maybe I oughta get it out and re-look. Who knows, maybe some one out there would like to be a loving owner? Is the VFO drift the major complaint? if so, maybe the xtal ctrl job is a real keeper? And if the 730 was SSB, maybe they shouldn't have gotten away from simplicity.

Last time I tried it, in thoughts of using it for the CX last Fall, there was no working detent on the function switch, and it was prone to arc. I don't remember seeing any output from it when it stopped zapping, and gave up on it.

I never have thought a BA was so bad it should be directly condemned to the dumpster, but I have had low opinions of some I've seen. One of these days I'll see if the 720 can change my opinion.

73,

Al, W8UT

New Bern, NC

Boat Anchors appreciated here

anchor@coastalnet.com

Message-Id: <3.0.32.19990420182815.007126d0@pop.mindspring.com>

Date: Tue, 20 Apr 1999 18:40:46 -0700

To: Old Tube Radios <boatanchors@theporch.com>

From: jim lockwood <jmlckwd@mindspring.com>

Subject: vintage mobile

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 10:44 AM 4/20/99 -0600, Richard Loken wrote:

>On Tue, 20 Apr 1999, Roger A. McCarty wrote:

>

>> I wonder though if anyone

>> has experienced problems with the vehicle's computer under

>> these high RF field conditions?

>

>There is little danger of hurting the computer

>because there is no place to put such a rig in any car with a computer.

Welllllllll, almost, but not quite.....

My usual mobile rig is a HW-101 in my S-10 Blazer. Big radio! It's front feet cling to the two bucket seats, its rear resting more or less

comfortably on the little console plate for the 4WD transfer case lever. (HP-13 squeals in delight at getting to nestle in between the two front seats.) I've never had a problem with the computer getting confused due to RF from the Heath.

FWIW (not much): I've also tried running an SR-500 "tornado" mobile in my S-10. Not that any sane person would do such a thing, but if you try this, be sure to flip the little switch on the bottom of the SR-500 case. When in the "DC" position, the VFO tube filament gets zener-regulated voltage and the VFO stability improves to the point that it is almost as good as that of a Swan 250.

My SBE-34 has also been pressed into service in the S-10. It's such a little radio, that I mounted it on a bracket for a CB radio and mounted this on a pedestal. Now this makes a nice vintage mobile rig, with its built in DC supply, switchable transmitter filaments, and front firing speaker.

Next radio that will get pressed into mobile service is my SR-160 (Thanks, Greg!). Although this set is marvelous as a fixed station in the radio room, I expect VFO drift to be a bit of a problem while mobile. It doesn't have the provision for zener regulating the VFO tube filament, like it's big brother the SR-500 did. That's strange, since otherwise the two rigs are virtually identical (except of course for the PA tubes).

Bottom line: Vintage mobiling is fun; give it a try!

73,

Jim - K4CCF

(formerly KM6NK, WA4K00, WN4K00)

Looking for original QSL cards from K4CCF

<http://www.mindspring.com/~johnmb/radiorm1.htm>

Message-Id: <3.0.32.19990420210149.00a97738@revealed.net>

Date: Tue, 20 Apr 1999 21:01:55 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: "James D. Mayfield" <kb9bnr@revealed.net>

Subject: WTB SB-10

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone have a SB-10 in good condition that you may want to sell, if so please state condition and price please..

73 Dave

Dave Mayfield KB9BNR
Personal Web Page
<http://home.revealed.net/qste/bnr/index.html>

Message-ID: <016601be8b9b\$655f78e0\$792fcfd1@default>
From: "Robert Nickels" <ranickel@mwci.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: re; vintage mobile (was ncx-3 vs..)
Date: Tue, 20 Apr 1999 21:04:24 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>I'm not the original poster, but I can assure you that the G-35-DC does
>NOT work on 120 VAC.

I didn't realize the mention of my old mobile power supply (NOT G-35-DC)
would send me rummaging through the old WRL catalogs!

You may recall I identified it as "Galaxy/WRL" because I couldn't remember
which name it was sold under. Now that I'm looking at the ad in the 1971
WRL catalog, I see it was called the "Duo-Power 300" Universal Home & Mobile
300 watt power supply. It came pre-wired for the Galaxy III, Galaxy V, or
Duo-Bander 84. Or, according to the catalog, can be easily wired to power a
"single band Swan, Heath HW-series, etc." Price was \$99.95, but I'm sure I
paid closer to \$50 when I bought mine, probably when the Galaxy line was
sold to Hy-Gain. The main P/S is about a 6" cube gold-anodized finish, with
the DC inverter heat sink adding another 2" or so. A versatile hamfest
find, if you spot one.

73, Bob W9RAN

From: W0EOM@aol.com
Message-ID: <d7cb329b.244e9601@aol.com>
Date: Tue, 20 Apr 1999 22:46:25 EDT

Subject: Vintage Mobile
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

My first mobike was an Elmac AF-67 with vibrator power supply mounted in front of the radiator in my 52 Lincoln. used a Gonset convertor. Was W3WVU then, 1952, stationed at Dover AFB, Del. got there when the base was reopened after WW2, set up the first MARS station also, When 10 was open, I would only have to call CQ once. finished several WAS's for people. On a trip back from Alabama, my new girl friend was with me. the band opened and i started calling CQ. after a few QSO's, she looked over and said, do you do this often? kinda ended that relationship.

73, Will Santa Clara, CA

Message-ID: <02cd01be8ba5\$a25b26e0\$792fcfd1@default>
From: "Robert Nickels" <ranickel@mwci.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: SB-35?
Date: Tue, 20 Apr 1999 22:16:19 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

While looking over the 1971 WRL catalog, I noticed a rig I've never seen for sale, or in any other form: The SBE SB-35. This was when SBE was owned by Linear Systems, and the SB-35 was described as 260 watts, all solid-state except for finals, and 80-10 meter coverage. There was a companion SB3-LA linear amp with a pair of 3-500Zs and even a matching remote VF0!

Has anyone ever owned - or even seen - one of these rigs? At \$549 it should have been well-positioned vs. the Swan 500, Drake TR-4 and other rigs in this price class. And the SB-34 was very popular - so what happened with the SB-35?

73, Bob W9RAN

Message-Id: <199904210418.VAA20092@mail-gw2.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: The Eico 7...53
Date: Tue, 20 Apr 1999 21:10:37 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Richard writes:

> Just put the AR-3 out therewith the Eico. Terrible set. (I can use the
> spare parts :-)
>
> Will never forget my parents' reaction the first time it picked up Radio
> Nederland in their native language. They did not expect their kid with
the
> weird interest in electronics to be able to build and complete it. Glad
> they didn't tell me while I was building it. I learned a lot from that
> AR-3 manual on how it works.
>
> Check out the one-owner AR-3 at
> <http://oak.cats.ohiou.edu/~postr/bapix/AR3.htm>

It's gorgeous! I built the Q multiplier also. What a combination. It was
like burning 92 octane in your lawnmower.....wow, it sure cuts the grass
now! Ha! Too much selectivity and no way to stay tuned to the signal.....

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

End of BOATANCHORS Digest 2512
